



# BADGER STATE Smoke Signals



**Serving Amateur Radio In Wisconsin**

**Published Monthly Since 1969**

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## ADVENTURES IN SKN LAND WITH GLASSARM

L. Andreas, N9BDL

While perusing the December 83 issue of QST, the following notice on page 100 top center caught my eye "ARRL Straight Key Night, 24-hour period UTC (from 7 P.M. EST Dec. 31 until 7 P.M. EST Jan. 1) This is a friendly meeting on the air using straight keys." Etc., etc.

Mentally I underlined the announcement. Later that evening the thought of SKN edged back to a conscious corner of my mind. Why not give it a try? This prompted further thoughts and musings of my novice days with that old Witch Doctor Nine callsign... All the way to Aurora, Wisconsin... Sunday afternoon on 40 meters... Band busier than a men's room at Lambeau Field during halftime. But I made the contact in spite of all the obstacles! A hand lettered plain post card still hangs proudly on the shack wall to attest to that mighty feat. It is now outshown by more gaudy commercially printed QSL cards, but, to me it is the most important one.

Then there was the contact that turned into a weekly sked on the 80 meter novice band. We kept up that sked for over four years. Even had a few eyeball QSOs at his QTH and mine. Probably have him to thank for getting the General ticket, after all he and his Ham XYL gave up their bed and slept on the living room floor so I could get a good night's sleep before trundling off to St. Paul the next morning to pass the test. One of the regulars on the CW and Phone nets recently told me he is still around but not very active.

And so the memories went. Hours and hours of pleasant rag chewing through that little brass device, while pushing 60 watts into a Knight T-60. Just four crystals and the world was mine.

After a half hour or so of such cerebral reruns, it suddenly dawned on me why I switched to an electronic keyer and iambic paddles. I have a glass arm! And neck and back too. When we completed our weekly hour and a quarter sked my neck and back ached and my arm throbbed with pain. So much for SKN.

But, dreams and memories don't just vanish from this mind. They have habit of sticking around and making themselves heard when I relax with a bit of free time. So I tried to analyze my situation. Somehow, the up and down motion while sending caused a problem. I usually tensed up during a QSO and this had to add to the condition. Paddles use the motion of just a thumb and one finger. The wrist rests on the desk and doesn't go anywhere and I'm relaxed with the method.

So off to the drawing board to design a sideswiper or "Cootie Key". This was not a project to be taken lightly. First, a survey of what was available in that notorious possession of all Hams -- the Junk Box. Unfortunately mine does not resemble those of the authors in all the well-known Ham mags. Each one of these must be an electronics parts wholesaler and they rummage through their warehouses for

A handful of resistors, capacitors and a 6V6 tube do not a straight key make. Back to the shack and basement workshop for more research. Nuts and bolts aren't much of a problem. Getting them to fit together is. A piece of aluminum stock measuring 3" x 5" has red enamel baked on one side. That will make for a great color photo when I write this key up for one of the national publications.

(continued on page 4)

room.

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**ERRATA**

A couple of corrections to the last issue of BSSS:

The correct address to get the WAR repeater listing from Dave Knaus, WA9POV is 6237 W. Lincoln Creek Dr., Milwaukee, WI 53218. Be sure to include SASE.

In the W9YT Sweepstakes results, WB9PYE's call was given incorrectly as W9PYE. Sorry about that OM.

Also, if you are saving your issues of BSSS you may wish to change the year on the last issue (January) to 1984. We forgot to!!!

**SWAPFESTS AND OTHER SOCIAL EVENTS**

The Wheaton Community Radio Amateurs Hamfest will be held Sunday, January 29, 1984 at the Arlington Park Expo Center, Arlington Park Race Track, Arlington Heights, Illinois.

**Midwinter Madness.** The third annual hobby electronics show for computer buffs and amateur radio enthusiasts, sponsored by the Robbinsdale (Minn.) Amateur Radio Club, will be held on Saturday February 25 from 9:00 A.M. to 3:00 P.M. at Totino-Grace High School, 1350 Gardena Avenue NE., Fridley, Minnesota. Just north of Interstate 694, Exit Highway 65. Tickets are \$3.00 in advance and \$4.00 at the door. For additional information contact Bob Zeidlik at (612) 533-7345 or write Robbinsdale A.R.C., Box 22613, Robbinsdale, Minnesota 55422.

The Davenport Radio Amateurs Club, Quad Cities U.S.A., W8BXN Hamfest will be held Sunday, Feb. 26, 1984 at the Masonic Temple in Davenport, Iowa. \$2.00 advance, \$3.00 at the door, tables \$7.00. Food: Coffee, donuts -- starting 8:00 a.m., sandwiches, plate lunches, pop. For reservations contact Dave Johannsen, WB0FBP, 2131 Myrtle Street, Davenport, Iowa 52804. (319) 323-4204.

The Wisconsin QSO Party sponsored by the West Allis Radio Amateurs Club will be held March 12, 1984. This annual QSO Party is open worldwide to phone and cw stations. Rules and entry blank are enclosed.

The Tri-County Amateur Radio Club will hold their annual Hamfest On Sunday, March 18, 1984, at the Fairgrounds in Jefferson, Wisconsin. The 84 Hamfest is to have some changes:

- (1) Name changed from "Swapfest" to "Hamfest".
- (2) 1 1/2 hour happy time about 1:30 in the afternoon day of the Hamfest.
- (3) Added free parking.
- (4) Tables to be \$3.00 advance, \$4.00 at door and \$2.00 for space.

Note: Admission is still old price of \$2.50 advance and \$3.00 at door, same as last year. Advance registrations will be handled by Robert Barker, 724 Burdick St., Milton, Wisconsin 53563.

The Oshkosh Amateur Radio Club will hold their 4th Annual Auction on Sunday, March 25, 1984 at The Winro Hall, Oshkosh, WI. Hours from 11 A.M. to 4 P.M. with setup starting at 9 A.M. Professional Auctioneer, drinks and food available. Talk in 147.945/345. Tickets \$3.00 at the door or \$2.00 in advance. For tickets send \$2.00 per ticket and SASE to Tickets, K9WNN, 1646 Michigan, Oshkosh, WI 54901

The Libertyville and Mundelein ARS will sponsor the Lamafest 1984 on Sunday March 25, 1984 at the Lake County Fairgrounds, Grayslake, Illinois. Donations \$2.00 in advance -- \$3.00 at the door. LAMARS, Box 751, Libertyville, IL 60040. SASE please.

The Madison Area Repeater Association will hold their 12th annual Madison Swapfest (flyer enclosed) on Sunday April 8, 1984 at the Dane County Expo Center, Forum Building, in Madison, Wisconsin. Doors open at 9:00 A.M. Sellers and exhibitors admitted at 8:00 A.M. All you can eat pancake breakfast and a beef bar-b-que luncheon. Admission \$2.50 advance -- \$3.00 at the door. Tables \$4.00 advance -- \$5.00 at the door. We urge you to carpool as the county charges a parking fee! For information on Exhibitor Booths or for reservations contact MARR, Box 3403, Madison, WI 53704.

The Ozuakee Radio Club presents its sixth annual Swapfest Saturday, May 5, 1984 at Circle B Recreation Center -- intersection of hwy 60 and county 1, Cedarburg, Wisconsin. Advance registration \$2.00 (\$3.00 at the door). Tables: 8 foot \$3.00, 6 foot \$2.00 (limited availability). Table reservations must have admission ticket. Ozuakee Radio Club, PO Box 13, Port Washington, Wisconsin 53074.

The Central Wisconsin Radio Amateurs will hold their Swapfest/Picnic on Sunday, June 3, 1984 at Bukholt Park in Stevens Point, WI.

The South Milwaukee ARC Swapfest will be Saturday, July 7, 1984.

The Lake Shore Swapfest and Public Brat Fry will be Saturday, July 14 at Sheboygan, Wisconsin.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to K9EN. In addition, space is available at attractive rates on our advertising pages and/or we can include your flyers. For information on rates and requirements please contact K9ZZ or K9EN.

### CLUB MEETINGS:

Central Wisconsin Radio Amateurs: (Stevens Point, WI)  
February 8, CWRA Club meeting. Place to be announced.

#### Milwaukee Radio Amateurs Club:

All regular meetings of MRAC scheduled for 1984 at Maumetosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month. Feb. 9, Mar. 8, Apr. 12, May 10, Jun. 14, Sep. 13, Oct. 11 and Nov. 9.

#### Northwoods Amateur Radio Club (Rhinelander)

Tuesday, February 17, 1984 at South Park School in Rhinelander at 7:30 P.M. Visitors always welcome! Coffee & Goodies served. Talk in on 146.34/.94

#### Yellow Thunder Amateur Radio Club: (Baraboo, WI)

All regular meetings of YTARC are held in room 34 of the Baraboo Civic Center. Feb. 14, Mar. 14, Apr. 12, May 14, Jun. 12, Jul. 11, Aug. 16, Sep. 17, Oct. 16, Nov. 14, Dec. 13.

#### West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

Let us know of your club meeting dates and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club or members of other clubs interested in making an interclub visit.

### MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS

Oh what the heck -- a few items of interest:

#### Four Lakes Amateur Radio Club THE FEEDLINE

KM9W and his station were on the Channel 27 news on October 25, 1983 during the Grenada invasion. (Good press for Ham Radio World-Wide.)

K9BIL had a picture and story in the *Waterloo Courier* on working WSLFL/Columbia.

KD6E has received the last card needed for 5BDXCC. CONGRATS!

#### Milwaukee Radio Amateurs Club HAMATEUR CHATTER

The annual MRAC Christmas party was a rousing success, playing to a sell-out crowd of Amateurs and their spouses. Our Guest of Honor and principal speaker was ARRL Vice Director for the Central Division, Howard S. Huntington, K9KM, of Lake

Zurich, Illinois. Howard was accompanied by his attractive wife, Nancy.

#### Kettle Moraine Radio Association KETTLE DRUMS

The second annual KMRAC ice fishee and pot luck lunch will be on February 25, 1984. If you like to fish, ice skate, cross country ski or just sit back and watch come on out to Lake Keesus on Saturday and enjoy the fun. The club will provide beer and soda for everyone present. And the weather man said he would provide the same sunny atmosphere we had last year. So dress warm and enjoy a day on the ice.

#### Green Fox Amateur Radio Club (Green Lake) FOXTALES

Editorial.....Steve Loeffler, W9ZRE

Well, its been more than a months now since STS-9 established a first for Amateur Radio - the first two-way communications with an Amateur in space. I sure was excited when I heard WSLFL's transmission.

I was one of thousands that tried to make contact with the shuttle, taking time off from work on each favorable pass to hurry out to my car, hook up my mobile rig and stand out in a sub-zero windchill manually aiming my 4-element beam toward the sky. Despite my efforts, Columbia failed to acknowledge me. Although I didn't know it at the time, my chances of being recognized were very slight.

Sure, I listened to ARRL bulletins for updates on the mission, I even fired up my Apple II+ tracking program and had orbit passes printed out.

Remember that request about using a maximum of 40 watts? Well I abided by that advice, using a rig delivering an awesome 25 watts out. That, I now realize, was my downfall. Should I have been of the mind of some of our fellow Amateurs, using 150, 500, 1000 watts into multi-element phased arrays? (I remember one station that worked WSLFL boasting about the 2000 watt linear he used to make the contact!)

No, I don't think that I could lower myself to such a selfish level, ignoring good operating procedures in order to establish contact with the shuttle. You can talk to anyone, anywhere, given enough wattage and in the process, disrupt communications for hundreds of other operators.

I am a responsible Amateur Radio operator and I take pride in the fact that I don't abuse that privilege. I only wish more Amateurs could feel that way.

#### Central Wisconsin Radio Amateurs Ltd. (Stevens Point) WATTS SHOT

The CWRA annual banquet was held on Jan. 11. Paul Nelles, K9DB showed some slides from last summers Special Olympics and Clyde Richelieu, W9JS the banjo man drove up from Oregon (just south of Madison) to entertain.



## Oshkosh Amateur Radio Club INTERCOM

Newly elected officers for 1984 are:

President: KD9BC - John Kaiser  
Vice President: N9AKG - Wayne Daniels  
Secretary: N9CRD - Greg Lurvey  
Treasurer: WB9VKD - James Eckstrom

## Flambeau Amateur Radio Club FLAMBEAU AMATEUR RADIO CLUB NEWS

Several members of the Flambeau Amateur Radio Club were among those Hams who heard WSLFL, Owen Garriott, during the recent flight of Columbia. The first reported reception was on Friday evening, December 2, when AG9G, KA9NOT, KC9QD and KA9NPO heard the signal. During the following days others heard the transmissions at various times.

## Calumet Amateur Radio Emergency Service

C.A.R.E.S. has donated copies of the ARRL's Tune in the World with Ham Radio to five area high school libraries in the name of Herman "Butch" Greve, W9EWC. Here's an excerpt from their letter of donation:

This year, with Hams often in the news of Grenada, or the STS-9 Space Shuttle with Owen Garriott, WSLFL, Abdard, CARES continues to serve Calumet County as an emergency communications system. Our group of local Ham operators serves not only Civil Defense, the Red Cross, and the U. S. Weather Bureau, but also many local organizations who sponsor bike hikes, running events, and even an EAA fly-in competition.

In memory of one of our members, Herman "Butch" Greve, W9EWC, of Hilbert, we are donating these beginner's kits to high school libraries in the area with the hope that others will find and share with us the thrill of communications coupled with the satisfaction of service to others.

Please accept our gift and feel free to contact us for any additional information.

Sincerely, Dennis Rybicki, K9LGV  
President CARES

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

## Adventures in SKN Land (continued from page 1)

More dreams. What will I call this key? Should I write for prestige and send it to DST as a freebie or go for the big bucks and submit it to one of the others? It must be snappy and have a cutesy subtitle like all other Ham-authored articles. Unfortunately, too many hours went into the title search. Back to the nuts and bolts.

This key had to have a unique feature. Something never before used.

One night as I tuned up the long wire, inspiration struck. On top of my keyer sits a "Microswitch type W" made in Freeport, Ill. It is a model BZ-2RNT133. I kid you not. Here is that unique feature I have been searching for. It has been under my nose for years. I hook it into the keyer's auxiliary jack to tune up the rig. I don't like pulling out the speed knob on the keyer to tune up. It usually ends up faster than I want it to be. This is embarrassing because other Hams will then answer back at a speed I cannot copy. This really gets out of hand on nets when I'm sent traffic and need "all after message number". (AA MSG NR for you, excuse, U CW buffs.)

To make a boring story short, I started to play around with this microswitch by keying the sidetone with just an index finger. I finally got so brave as to say good nite (or GN in CW parlance) at the end of the 5 wpm novice net. I was getting good at it too. But how would a simple hand-held microswitch with no modification look as a feature article for all present and aspiring Hams? Not acceptable.

It was time for drastic action. That aluminum with the red baked on finish and the black microswitch with its silvery lettering would look pretty classy on the magazine cover. But how to activate the switch. Most Ham articles nowadays contain some crucial component made out of copper clad circuit board. Double sided that is. For once my meager junk box had what was needed: A strip of copper clad circuit board and it was double sided too. This was going to be big league. A good home brewer can make anything out of that stuff. It was time to stop all that daydreaming and pondering and get down to the construction business. Several evenings and one burnt pinky later, I emerged from the workshop with a repulsive looking gadget that the most dedicated Ham wouldn't take to a fertilizer fight even if it was the target.

It was about this time the painful recollection of my previous home brewing activities came into clear focus. I am one of those unfortunates who cannot make a breadboard from a kit, let alone a mechanical contrivance or electronic marvel.

So there I was: a glassarm with ten thumbs. Did that stop my SKN plans? No way! My homebrew ideas vanished quicker than dawn's dewdrops under a desert sun.

More mental reconnoitring would be needed if I were to make a splash on the CW subbands come One January.

On my snack desk sit two sets of paddles. My own no-name, inexpensive set that is adequate and the well advertised brand that also comes with chrome or gold plated base. The well-known set belongs to our club President who is afraid they will rust if not used. Don't scoff, how many reasons for not using keys or paddles have you heard from the phone band addicts?

One evening I hay-wired the high priced product to act as a sideswiper and eureka, to quote Archimedes (Archimedes Snitzlebank of Eureka, Kansas to be exact), it worked as a straight key.

From here on the project snowballed rapidly, as it should, it was December. First it was checking into the Wisconsin Novice Net straight key. Then with an extreme burst of courage, the Wisconsin Slow Speed Net. I even had a few rag chews on the 30 and 40 meter bands. So there it was, a means of running a straight key without causing muscle spasms. All was set for SKN

and I was looking forward to it.

Now dear reader, you are probably wondering what terrible malady beset me or rare affliction struck me down as my hand was poised to tap out "CQ CQ CQ SKN de N9BDL." Well I did get on SKN and made a modest seven contacts. I enjoyed every minute of each QSO in spite of the jitters as I began the contact.

Perhaps the memory of sweaty palms, jelly joints and stomach butterflies of the first QSO to Aurora, Wisconsin on a Sunday afternoon of years past has something to do with it. I like to think the enjoyment and jitters of Ham radio are a spell that will continue to hold me close to the rig for years to come.

CU SKN de N9BDL

L. Andreas,  
Rte. 1, 7600 Hwy D East  
Lake Tomahawk, WI 54539

#### DOTS GALORE

From Spark Gap Times, by WA1SPM (via ARNS)

Old Joe Blow was a real sloppy American Morse operator. And he gave his copiers fits. His P's always came out as sixes. His H's were always F's. His 6 sounded like his bur got stuck on the dot side. Nobody ever was sure whether he sent "SEEN" or "SON". Or whether the word was "SHEET" or "SHOT" (or worse). "The" sounded like his figure "8". You know the type. And aside from his dot problem most operators invariably copied his "FOUNDATION" as "FOUND A LION." I'd hate to have been trying to copy Joe sending the following message (all dots in American Morse):

ERIE ICE CO, ROSCOE SC - SHIP 606 IRISH ROSE HORSESHOES & ZIPPERS & PROPER CROSS POP CROPS. ZEPP PHOSPHOR CO.

(The old time American Morse operators should appreciate this.)

#### FROM WESTLINK REPORTS

THE FCC HAS BEGUN ISSUING 10 YEAR new, modified and renewal Amateur licenses. The longer term licenses were authorized in rule amendments adopted by the Commission October 6th, 1983.

In addition to authorizing the longer term station and operator certificates, the changes also institute a two year grace period for renewals. The issuance of 10 year licenses was delayed until now so that needed changes could be made to the licensing program.

The FCC says that the 10 year term is not a blanket extension, but will require that the older, 5 year licenses, be renewed in order to give the holder the longer term. The Commission, however, requests Amateurs not to send in their licenses until they are due for renewal, in order to avoid flooding the Gettysburg processing facility with unnecessary paperwork. (Report Docket 83-337, December 20, 1983)

#### THIS EXTRA IS EXTRA SPECIAL

Jennifer Gobel (KA3GXH) of Colorado Springs, Colorado, was among the last to earn an Extra Class license prior to the cutoff of testing by the FCC for the year 1983.

Jennifer traveled to Denver on December 28th, where she successfully passed all elements necessary to upgrade from Novice to Extra in 1 sitting before the FCC examiners.

She passed the General Class exam with only 9 errors, the Advanced with only 13 mistakes and the Extra with only 8, not mention breezing through the 20 wpm code test. Thus, Jennifer will soon receive a "0" Extra callsign.

What really makes this story so interesting, though is that this young lady is only 11 years old! Tnx W0BWJ.

#### THE KERMADECS

by Jim Smith, VK9NS  
from THE DX BULLETIN

THE KERMADEC GROUP, about 1000 km NE of Auckland, is composed of four islands; Raoul is the largest. Two of the islands were discovered in 1785, with Raoul being found in 1793. At that time the islands were uninhabited but Polynesians had stopped there on their way to New Zealand in the distant past. Raoul is similar to Norfolk Island in that it has very high cliffs and its coastline is described as "inaccessible."

Europeans settled on Raoul around 1837; they put up with volcanic activity, earthquakes, and the dumping of two hundred Tokelauans who were suffering from typhoid fever. What settlers didn't get typhoid abandoned the island and the next group of Europeans gave up after a violent volcanic eruption in 1872. A family named Bell came around 1878 and stayed until WW I. New Zealand, which had annexed Raoul in 1886, declared it a nature preserve in 1938. The only inhabitants today are a handful of scientists and communicators (including, at present, ZL8AFH).

Editors note: We hope to occasionally have geographic descriptions on other DX locations when space permits. If you would like to see more, let us know.

from WORLD RADIO via NATTS SHOO

#### A MAN'S LUCKY DAY

While driving down the highway operating his 2-meter rig, Dan Lagge, NBETV, was pulled over by the Highway Patrol and cited for speeding. It seems that Dan had his cruise control set at 55 mph as he operated 147.24 but was clocked by radar at 68 mph.

After receiving the ticket he explained his unusual circumstances to the trooper. Both parties then agreed to duplicate the incident, this time with the officer traveling next to him. After setting his cruise control at 55 mph, the radar clocked Dan accurately. He then signalled the officer and began transmitting, this time the radar reading was at 68 mph.

Upon conclusion of the test, the officer voided the ticket and made out a special report.

In the Aleutians, every call is atoll call.

**WISCONSIN NETS ASSOCIATION, LTD.****WISCONSIN NETS**

NET	WNA	FREQ	UTC	LOCAL CST	MANAGER
BWN	YES	3984	1200Z	0600	WD9IID
BEN	YES	3985	1800Z	1200	WB9ESM
WSBN	YES	3985	2330Z	1730	K9ANV
WNN	YES	3723	0000Z	1800	KA9WPD
WSSN	YES	3645	0030Z	1830	KC9CJ
WIN-E	YES	3662	0100Z	1900	W9YCV
WIN-L	YES	3662	0400Z	2200	K9LGV
XPO	NO	3925	1831Z	1231	WA9YVC
NWTN	YES	.34/.94	0030Z	1830	N9BDL
WCWTN	YES	.31/.91	0030Z	1830	N9AUG
GR.BAY	NO	.72/.12	THU 0245Z	2045 WED	WB9NRK

ly out and we are holding our own in the national standings. We have maintained our 4th place position attained a year earlier (1981) by submitting 715 reports reflecting 76,618 pieces of traffic. The Sections that placed above us are:

Ohio	1,287 reports	104,061 pcs
S. Fla.	759 reports	143,203 pcs
Michigan	760 reports	69,832 pcs

We tied with Virginia.

I can give you the stats for 1983 based upon reports sent to me on a monthly basis by each Net Manager. They are as follows:

NET NAME	SESS	QNT	T/OFFD	T/CLRD	TIME (mins)
BEN	365	8441	3225	2806	11,494
BWN	313	15939	17631	17572	25,424
NWTN	365	5430	528	528	13,310
WCWTN	361	5552	432	387	3,631
WSSN	365	2413	1019	724	8,333
WIN/E	365	4033	2333	1820	6,132
WIN/L	360	3114	1847	1416	6,264
WNN	344	1993	610	433	9,182
WSBN	365	11601	4452	4081	11,504
TOTALS	3203	58516	32,77	29767	95,1274

**THE SM SEZ:**

ARRL Section Manager  
Roy Pedersen, K9FHI  
510 Park St.  
Juneau, Wisconsin 53039

All nets are doing real good - total traffic reported to me for December 1983 was 8025 - highest total that I know of - keep up the good work. I'm proud of you.

WNA Picnic slated for September 15, 1984 at North Wood County Park - good facilities, camping, etc.

I hope all will support your new SM starting July 1. K9GDF is the only one I know of so far.

I'm looking for someone to take the position of Affiliated Club Coordinator as WA9POV will be unable to continue, please someone.

All traffic (SARs, HM) reports that are usually sent to me, for the month of May, are to be sent to K9UTQ. The reason for this is that my wife & I are leaving for Norway - Sweden and Denmark May 29. A life dream come true. Will be gone for three weeks - so guess that means I'll be missing WNA meeting also. Oh well. I guess they can get along without me.

I hope everyone had a very Merry Christmas and all the best for the new year. Keep up the good work all of you.

-73, Roy, K9FHI

(Editor's Note: We all send Roy and Beryl our very best wishes for that fabulous trip into Scandinavia! I know how much W9TP, YF and son enjoyed their sojourn there and we all hope Roy and Beryl enjoy it tenfold. We'll wanna see ur slides when u get em back, Roy! Feliz viaje. k9zz)

**SECTION TRAFFIC MANAGER**

Gene Santoski, K9UTQ  
1220 18th Street South  
Wisconsin Rapids, Wisconsin 54494

With this edition of the WNA part of Badger State Smoke Signals, I want to touch upon a few varied topics.

First of all, the ARRL 1982 Section Rankings are final-

Figures like the above should keep us near the top for 1983 standings. The time figures out to be 1,588 hours or 66 days of net activity.

We now have 190 stations active in our nets from 110 cities. However, we are not going to stop there. Let's recruit some more people into traffic handling. By the way, Eau Claire and Rhinelander are the two cities with the most representation on our nets - 16 stations from each!! Keep in mind, however, that the biggest share of those stations participate in the LOCAL nets - Northwoods Traffic Net and West Cent. Wisconsin Traffic Nets. Some do not have licensing privileges for our HF nets.

There is promise of new and exciting things in the future of the National Traffic System and the way it operates. Digital techniques such as Packet Radio, AMTOR and spread spectrum are already in the experimental stages, not to mention the unlimited possibilities by utilization of the new generation of OSCAR satellites now being launched.

The ARRL Committee on Amateur Radio Digital Communication is now studying the question of how to incorporate the new techniques into our Amateur Radio operation, a topic that is also being discussed by the National Traffic System's three Area Staffs at their meetings, and by other traffic and public-service minded Amateurs.

While our present system is adequate for most of the traffic we handle, it certainly does not take advantage of what radio communication can offer and is not really suited for emergency communications, despite the fact that the National Traffic System is supposed to be the long-distance arm of the Amateur Radio Emergency Service.

The new technology will be used in traffic work, regardless of whether NTS makes provisions for it or not. If not, NTS will become still more irrelevant as an

emergency service. But, if NTS finds a way to incorporate digital communications on a regular reliable basis, Amateur Radio will be able to provide a nationwide emergency communication service to meet almost any need, with traffic being delivered in a matter of seconds--not hours.

There will still be a place, and an important one, for traffic handling as we now do it, handling health and welfare traffic in a communications emergency. Health and welfare traffic tends to be neglected by those involved in preparation of for emergency communications because they rightly believe official traffic is more important. But, in most cases, there is ample opportunity to handle both. If they are not to interfere with each other, however, they must be kept separate, with separate teams for each. Let the ARES people handle the official traffic, which is usually local in nature, and the NTS people take care of the health and welfare long-haul traffic.

The most effective traffic system of the future would seem to combine the best features of new technology and our traditional ways. Extensive use will be made of satellites, of linked repeaters, packet communications, AMTOR, electronic mailboxes, automatic switching, HF, VHF, UHF and microwaves. But the high-tech system will be accessible to Amateurs without sophisticated equipment. It should be possible to program the microprocessor at any station where Amateurs have access to the system, in such a way that CW can be used if CW is the only mode available to the Amateur.

FM and repeaters have given our VHF bands a completely new look. Sideband did the same a generation ago on HF. Now, the last years of this century will see Amateur traffic handling similarly revolutionized. Even the rest of this decade could prove to be very interesting!

On Saturday, January 14, immediately after the Badger Emergency Net, an informal Traffic Workshop was held. Bob, KA9CPA, took my place as moderator as I could not be present. Bob tells me that there was good participation and a lot of good ideas and comments brought forth. Based on what you people want, regular training sessions - in the form of workshops - will be formulated and presented during the next few months. They will, in all likelihood, be held on Saturdays and/or Sundays immediately following the noon sessions of the BEN. Keep your ears open for future announcements on this matter.

In closing, I just want to add my congratulations to all you fine people who help to make our Wisconsin traffic nets what they are. In my mind, we are second to none and it is only with your dedication and help that we maintain this status. Keep up the good work!! The main thing that we can improve on is getting more people interested and involved in traffic handling.

BELETED HAPPY NEW YEAR AND THE BEST IN 1984!!

Till next time, 73

Gene K9UTQ/STH

Noah was a two timer way back

Lumber Jacks are always stumped..

A Librarian knows volumes.

## WIN EARLY

Les Peterson, W9YCV, Net Manager  
9741 W. Howard Ave.  
Greenfield, WI 53228

With a great deal of pleasure, I have sent ARRL Certificates of Merit to the following WIN-E members:

Male Blakely, W9CBE	Dwight Simpson, AG9G
Lee Andreas, N9BOL	Bob Graham, K9SAO
Jim Law, W9CXY	Paul Amend, KA9QBP
Rich Regent, K9BDF	Dick Hugi, KC9CJ
Larry Guthu, WB9ICH	Larry Mittman, N9AUG
Art Dunham, KA9IKR	

The awards were earned by performing the assigned NCS or 9RN and SSB liaison functions with a score of 50% or greater. Another way to earn one was to have a net attendance record of 70% or greater for the year. Several other members were close to these criteria and hopefully they can be listed next time.

Male, followed closely by Lee, both had what I consider exceptional net attendance records for 1983. They were present more than 75% of the net sessions.

Paul, KA9QBP, came up with an 82% attendance record in the seven months he has been checking into the net.

Net Controls, both assigned and others who have filled in at times, have been doing an excellent job of getting net reports in promptly.

Other than many nights of poor band conditions, 1983 has been a good year. The cooperation received from all net members has made it an easier year for me.

I would like to encourage as many of you as possible to take part in the WNA Traffic Handling Workshops that will be conducted, usually on Saturdays after the BEN session. Dates will be announced in the WNA bulletins put out by Bob, KA9CPA. We all can benefit from them and certainly your input regarding the sessions or traffic handling procedures is encouraged.

Les, W9YCV, WIN-E Net Manager.

## WIN LATE

Denny Rybickie, K9LGU, Net Manager  
2332 Park Lane  
New Holstein WI 53061

## EIGHT EARN LATE

Hooray! The FCC has no no-code license. No, I'm not stammering; I am pleased. I do not have to repeat the arguments for maintaining the code requirements or for maintaining CW skills. We know them. Instead, I offer, again the invitation to Hams throughout the state to join in the fun and service of our CW nets. It's great practice, a good time, and very satisfying fighting QRN, QRN, and long skip to "get the message through." Join us on 3.662.

Special thanks go to those who served as NCS or 9RN reps during the past year. Outstanding service has been given by N9AUG, N9BYK, W9CBE, W9CXY, W9DM, W9DND, AG9G, K9BDF, KA9HPQ, WB9ICH, KA9QBP, KC9UC, K9UTQ, W9UW, and W9YCV. They certainly represent our hobby well by their service.

73, Denny, K9LGU/NM WIN-L

## YELLOW THUNDER AMATEUR RADIO CLUB

The January 16, 1984 meeting of the YTARC was called to order by President Art Kleefisch, W9WSS, in room 34 of the Baraboo Civic Center at 7:30 p.m. following a meeting the Executive Committee. Art appointed Ken, K9EN, as acting Secretary for the purpose of taking the minutes of the meeting. The following members were present:

Ken Ebner, K9EN	Portage
Harry Mayland, K9FFT	Baraboo
Art Kleefisch, W9WSS	Baraboo
Jim Decker, W9UQT	Baraboo
Duane Grotophorst, KA9HKL	Sauk City

The minutes of the previous meeting were accepted as printed in BSSS. The treasurers report for 1983 was presented by Treasurer Jim Decker and accepted. The treasurers report showed a general operating balance of \$124.04. The general reserve fund had \$60.00 and the equipment reserve fund had \$180.00 for a total balance of \$364.04.

The Executive Committee reported on the bills paid and commented on the Treasurers report for 1983.

Several items were discussed by those present:

The lack of a candidate(s) for the post of Secretary was discussed without any resolution. There will be attempts made to find a candidate in time for election at the February meeting. (The present Secretary, Jim Romelfanger, K9ZZ, will continue to serve until a successor is qualified.)

Several ideas were discussed with the aim of getting more participation in the club by area Amateurs.

Many possible program ideas for the coming year were brought up for discussion.

President Art Kleefisch, W9WSS, will be sending a letter along with a questionnaire to the members (past and present) asking them what they would like to see in the meeting programs, contests, educational activities, social events or other club activities.

The buck night drawing was held and the winner was Harry Mayland, K9FFT. He received one dollar. This was the second month in a row that Harry has won the prize. (The buck night drawing is held from among all the members of the club and you must be present to win the prize. It starts at one dollar and increases by one dollar a month until someone wins.)

The program for the February 14th meeting will be a "Problem Solving Clinic." If you have any problems with your station, bring them to the meeting and a panel of experts, along with the audience, will help you with them.

There being no formal meeting program the meeting was adjourned at 10:00 p.m. Several members got together at the Country Kitchen afterwards for coffee furnished by "Lucky Harry".

Respectfully submitted:  
Ken Ebner, K9EN, Acting Secretary.

### Sentence Sermon:

It is better to understand a little than to misunderstand a lot.

**STUFF:** A note from global rover Fred Laun K3ZD/HK3NBB, sez he's gonna head stateside this coming spring and that K3ZD will go on the air in a big way. Hearing that Fred's coming back stateside is happy surprise enuf...but there's anudder...He will tie the marital knot soon, too! Sez he thinks that'll make him feel younger. Fred, when u gits married, the YF usually becoms the man-ager. Anyway, all our best to one of Wisconsin's vey finest! Watch the libations, you guys. k9zz

**MORE STUFF:** Now the cold wedder has been the pits fer sure. Brings out the resourcefulness and a lot of imagination in starting cars indeed. One Baraboo ham charcoal-grilled his Ford to get it going. Jist built a nice charcoal fire under the engine...and it worked! The car didn't blow up...heck, in a way it didn't work out right. He didn't have any barbecue sauce or marshmallows. k9zz

**Achtung YTCers:** Your hon. Secretary (Acting Secretary, that is) should resume listing members birthdaze in the next issue of BSSS...jist as soon as I kin get the renewal forms in me mitts. zzzzzzzzz

**What r you up to?** If you are doing something of interest in this wunnerful hobby, tell ur Secretary... share the news with the udder YTCers and all the Badger State readers, too. RSVP 146.88, 146.76, 146.52, K9ZZ, Jim Romelfanger, Rt. 1, Box 770, North Freedom, Wis. 53951-9799.

### Anudder Note for YTARC Members...

I've been pretty much out of touch with YTARC since October. You probably know my mother died in June. I now reside in Bluffview Acres (No, it's not a rest home) 8 miles south of Baraboo. It was orginally Badger Village, built for construction workers putting Badger Army Ammunition Plant together. (Then Badger Ordnance Works.) My pad is fairly roomy and comfortable. My work 20 is WSEY, an FM Broadcast station in Sauk City. (96.7, if you're in range.) Mom's death leaves me with a whole new ball game and created some changes that are hard to handle. I have 2-meter FM on the air with a Ringo on the roof. When the rig is on, it's normally on 146.76, 146.88, or sometimes 146.52. Hiway 12 goes rite past, so if you're mobiling (or whatever), give me a call...perhaps you might stop by. Bw glad to see you. (No telephone...if you call, it has to be on the radio, hi!) I'm up after noon or so. (I do work late.) CU? jim k9zz

**FOR SALE:** 20' tower, cranks up to 40'. Also a rotor and 2 ele Gen quad antenna. Best offer. Call (608) 244-5447 and ask for John (WD9CIV).



# From ARRL BULLETIN NR. 139

ARRL Hq. has been informed by FCC that a permanent third party traffic agreement is now in effect between the United States and Grenada, J3. AR

## TECHNICAL COORDINATOR

Richard R. Regent, K9GDF  
5003 So. 26th Street  
Milwaukee, Wisconsin 53221

## EVERYBODY TALKS ABOUT THE WEATHER

A severe-weather warning is broadcast on Milwaukee radio and TV stations - you can be reassured that Ham radio is helping provide the timely, accurate, and reliable data. Besides using sophisticated electronic equipment, weather forecasters still rely on field observations. That's where Hams with battery-powered hand-helds, transceivers and mobile equipment at various locations provide an ideal weather spotting system.

Hams are instructed by the Milwaukee National Weather Service (MNWS) to report serious weather situations - tornados on the ground, funnel clouds aloft, hail (one-half inch or larger), strong winds (fifty miles per hour or greater), and actual damage (power lines down, phone lines down, trees down, structural damage, and flooding).

The cue to begin is given and Mr. Jagler proudly announces, "this award is given in recognition and grateful appreciation for communication and storm-spotter service rendered in the public interest to the National Weather Service Severe Weather Warning Program for over fifteen years. The eyes and ears of trained volunteers to search out, identify and report dangerous weather events is of unlimited value if the National Weather Service is to effectively carry out its public warning responsibility."

"Amateur Radio groups, such as the Milwaukee Amateur Radio Emergency Service (ARES), are ideally organized and a vital element to the warning process. Members of the Milwaukee ARES have voluntarily contributed their time and talents to staff communications centers at the Weather Service Forecast Office, County Sheriff's Office, Emergency Government Offices and Red Cross building."

"The network functions with a high degree of reliability, not only for data gathering, but also for warning and advisory dissemination. The organization contributions are worthy of commendation and are gratefully appreciated." Handshakes and smiles are exchanged while kind words continue to fill the room for a job well done.

In addition a letter-of-commendation is awarded to Hams from the National Oceanic and Atmospheric Administration of the United States Department of Commerce.

Although both awards are presented to the Milwaukee ARES group, they are intended as a well deserved thanks and recognition to the more than 500 Hams throughout southeast Wisconsin who help during emergency weather conditions, and to those Hams in other parts of the state who relay information to the weather warning system.

If you're interested in weather-net activities or other public-service events, then listen for the Milwaukee ARES net on 147.07/67 MHz, Mondays at 9 P.M. local time. Many Milwaukeeans monitor the net during severe weather conditions with VHF scanners to hear weather data being gathered by Hams.

If you can't receive Milwaukee signals, contact your Emergency Coordinator for information about weather-service activities in your area. As Mark Twain may have said, "Everybody talks about the weather, but nobody does anything about it." Here's your chance to do something.

73, Richard R. Regent, K9GDF

Note from your editor: Your editor is embarrassed! I didn't send many Christmas cards this year and wound up receiving a goodly number I couldn't answer. My sincere apologies for this and please accept this as my wish that your Holiday season was a good and holy one and that 1984 does indeed bring to you all the things that are good...and that old man trouble will forget your address.

I don't want to try to list all those Amateurs who sent me cards as I'm sure to leave someone out. But I do want to acknowledge just a few...our venerable credit to Amateur Radio and to modern maturity: Evelyn Fox, WB9QZA, Merrimac. My good friend of 25 years, Howard Trimble, K6TER, sunny San Diego and Fran Murray, KE6MD, who left wintry Wisconsin for sunny San Diego. And, to these and the others...and all of you...thanks for remembering me hunkered down here on the plains of Sauk County. Cold Sauk County. 73, jim, k9zz

## From THE ARRL LETTER

Yearend 1983 ARRL membership figures were as follows:

	1983	1984
Central Division	10,281	10,351
TOTAL	126,233	124,305

These year end figures show a slight upward trend as compared to last year. This is in sharp contrast to our 1982 experience. That year, we experienced an overall decline of 12.5% compared to an overall increase of 0.9% for 1983. There was a 2.5% increase in U.S. Full Members, and a 4.8% increase in Canadian Full Members during 1983.

Responding to a Board request, the Management and Finance Committee has determined it is feasible to shift from two-year to four-year terms for ARRL Directors and Vice Directors. However, the Board has not yet decided whether it is a good idea to make the change. Have any thoughts? Let your Director know before the March 26 Board Meeting in Hartford.

The last call sign assigned for the 9th district as of the first of January was: Extra, KZ9F; Advanced, KD9GG; Technician/General, N9EIL and Novice, KA9RCJ.

The present series of Amateur Extra prefixes in Alaska was used up in mid-December. A similar situation will arise for Extra class licensees in Hawaii and Puerto Rico. Amateur Extra licensees in the affected areas will get 2 x 2 call signs (just like the Advanced class licensees).

jim k9zz. K9GDF print

Found out we had blank page so thought would use up a couple of things we had been saving. Hope you enjoy them!

#### AN OLDIE

Been saving it for years  
from ARNS Bulletin.

Dear Friend

As I have the time because I ain't busy I thought I'd write to you a few lines, eight or ten pages, and let you know the up to date news, about six months old.

We are all as well as could be expected for the shape we're in. We ain't sick, just don't feel good. I am feeling fine. Aunt Martha is dead and I hope this finds you the same.

I suppose you'll want to hear about us moving. We never started moving until we left, never turned off until we came to a cross-road that went there. The trip was the best part of it all. If you ever come out here, don't miss that. They didn't expect to see us until we arrived. And most people we're acquainted with, we knew. The folks we didn't know looked like strangers.

We're still at the same place we moved to last year, which is beside our nearest neighbor and across the road from the other side. John says he thinks we will stay here until we move or go somewhere else.

We're busy farming. We have three cows, but we're going to sell one because we can't milk him. Eggs are getting a good price, that's why they're so high. I sure hope we get lots of them, we just bought 25 roosters and an old hen. Some of the ground is so poor you can't raise umbrellas on it, but we have a fine crop of peas and a whole lot of little ones. We also have a crop of corn. I think it will make about 5 gallons to the acre. Some worms got into our corn last year, but we just strained them out and drank it anyway. Uncle John started a romance with some of that corn last year and ended up with a full crib.

One of the cows gets the hiccups once a week and churns her own butter.

The dog died last week. John said Rover swallowed a tape measure and died by the inches. Mary said he went out back and died by the yard, but June said he went under the bed and died by the foot. My mother-in-law is near death's door also and we're hoping the doctor can pull her through.

June fell off the back porch and bruised her somewhat and strained her elsewhere. Alice had the mumps and had a swell time. The baby swallowed a roll of camera film but I don't think anything will develop. Every time Uncle John gets sick he starts to feeling bad. The doctor gave him some medicine and said if he gets better it would help him and if he gets worse he would stay about the same.

Every time Grandpa gets a tooth ache, his jaws start hurting and won't stop until it quits aching. Mary had a pain in her stomach and the doctor said she had been drinking too much Nehi pop and it moved up on her.

I'm going to send you an overcoat. I cut the buttons off so it wouldn't weigh so much. You will find them in the left-hand pocket. I had planned to send you the

money I owe you but I already had this envelope sealed before I remembered it.

I must close now. If you don't get this in time to read it, let me know and I will mail it to you. If you can't read my writing, make a copy and read your own. It took me three days to write this since you are such a slow reader.

P.S. (pea soup), I would like to describe our new house here everything is modern. We have a kitchen, living room and 2 bedrooms, and there is a little room in the upstairs that we found just this week. It's got a thing in it that looks like what we used to water horses in only more fancy. Then there's another thing over in the corner that's the handiest thing in the house. You can put one foot in it and wash it all over and then press a lever and get fresh water for the other foot. Grandpa went up to get a drink out of it and the lid fell and hit him on the head. It has two lids on it. Mom took the solid lid off and rolled pie dough on it. One lid has a hole in it and we framed grandpa's picture with it. Everyone says it looks like the natural thing, as if he were sitting right there.

From Someone You Don't Know.

#### NEW SICK LEAVE POLICY CONCERNING CLUB MEETINGS

from Linear Lines, Trident ARC, Charleston Hgts. SC  
(via ARNS Bulletin)

SICKNESS: No excuse. We will no longer accept your doctor's statement as proof, as we believe that if you are able to go to the doctor you are able to come to the meetings.

LEAVE OF ABSENCE i.e., operations: We no longer allow this practice. We wish to discourage any thought that you may have about needing an operation. It is believed that as long as you are in the TARC you will need all of whatever you have and should not consider having anything removed. We accepted your application as you were and to have anything removed would certainly make you less than what we bargained for.

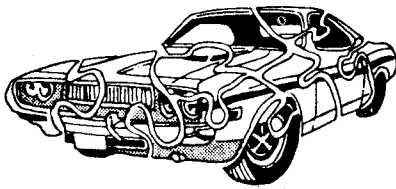
REST ROOMS: Too much time is being spent in the rest rooms. In the future we will follow the practice of going to the rest room in alphabetical order. (attention Hunter, be prepared to bring a paper clip or some "reasonable facsimile thereof") If you are unable to go at your time, it will be necessary to wait until the next club meeting when your turn comes again.

DEATH (not your own): This is no excuse. There is nothing you can do for them and we are sure that someone else with less important things to do can attend to the arrangements. Since most funerals are held in the daytime, this should not interfere with club meetings anyway but this is still no excuse for missing such activities as field day.

DEATH (yourself): This will be accepted as an excuse, but we need at least thirty days notice since the club editor has to get it into the paper and the advisory board can decide whether to accept your death or not.

(submitted by N4CII)

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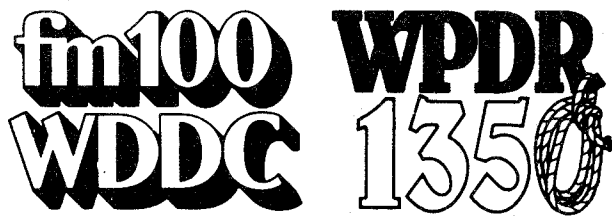
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SCORE SUMMARY

CALL: \_\_\_\_\_ STATE: \_\_\_\_\_

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CLUB AFFILIATION: \_\_\_\_\_ (WIS. STATIONS ONLY)

QSOs

BANDS	CW QSOs	PHONE QSOs	
80 M			NO
40 M			REPEATER
20 M			QSOs
M			!!!
M			
+		+	
CW TOTAL		PHONE TOTAL	

QSO POINTS = CW TOTAL + CW TOTAL + PHONE TOTAL

MULTIPLIER: WIS. COUNTIES (MAXIMUM OF 72)  
STATES/PROVINCES (WIS. STATIONS ONLY)  
TOTAL MULTIPLIER

RAW SCORE = QSO POINTS X TOTAL MULTIPLIER

FINAL SCORE = RAW SCORE + BONUS POINTS

(BONUS = 500 POINTS PER COUNTY. WIS. MOBILES ONLY)

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

TO RECEIVE A COPY OF THE OFFICIAL RESULTS, ENCLOSE A  
BUSINESS SIZE SASE

MAIL ENTRIES TO:

WISCONSIN QSO PARTY  
C/O WEST ALLIS RADIO AMATEUR CLUB  
P.O. BOX 1072  
MILWAUKEE, WI 53201

# WISCONSIN QSO PARTY RULES

\*\*\*\*\*

DATE/TIME: 1800Z MARCH 11 - 0100Z MARCH 12, 1984

MODES: CW AND PHONE. STATIONS MAY BE WORKED ONCE PER MODE ON EACH BAND. MOBILES MAY BE WORKED AGAIN WHEN CHANGING COUNTIES.  
NO REPEATER QSOs.

EXCHANGE: WISCONSIN STATIONS SEND RS/T AND COUNTY  
NON-WISCONSIN STATIONS SEND RS/T AND STATE/PROVINCE

FREQUENCIES: CW-3560, 7050, 14060 KHZ. OTHER BANDS MAY BE USED  
(SUGGESTED) PHONE - 3990, 7290, 14290 KHZ.

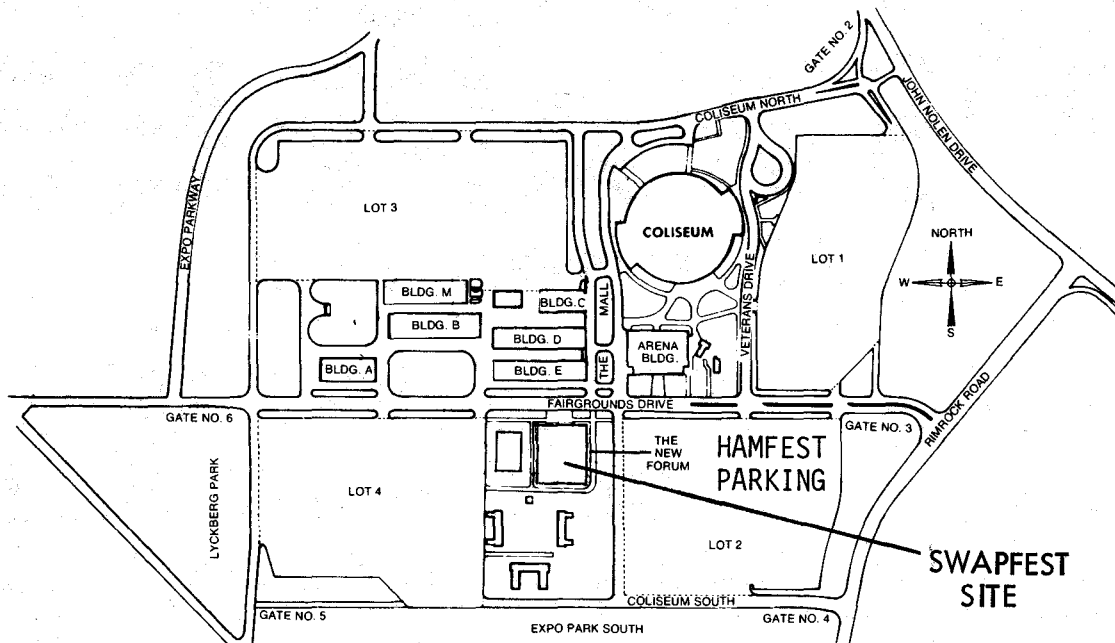
SCORING: PHONE CONTACTS COUNT 1 QSO POINT; CW COUNT 2 QSO POINTS  
WISCONSIN STATIONS:  
QSO POINTS X (WISC. COUNTIES + STATES + PROVINCES)  
NOTE: DX COUNTRIES COUNT FOR QSO POINTS BUT NOT MULTIPLIERS  
NON-WISCONSIN STATIONS:  
QSO POINTS X (WISCONSIN COUNTIES)

BONUS: WISCONSIN MOBILES ADD 500 BONUS POINTS FOR EACH COUNTY THAT YOU OPERATE FROM, OUTSIDE OF YOUR HOME COUNTY. A MINIMUM OF 15 QSOs PER COUNTY TO QUALIFY.

LOGS: ENTRIES MUST CONTAIN A LOG CONSISTING OF:  
TIME(GMT), CALL, RS/T, STATE, WISC. COUNTY, MODE AND A SCORE SUMMARY.  
LOGS CONTAINING MORE THAN 100 QSOs MUST BE ACCOMPANIED BY A DUPE SHEET.  
ENTRIES MUST BE POSTMARKED BY APRIL 15, 1984 AND SENT TO:  
  
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## WISCONSIN COUNTIES \*\*\*\*\*

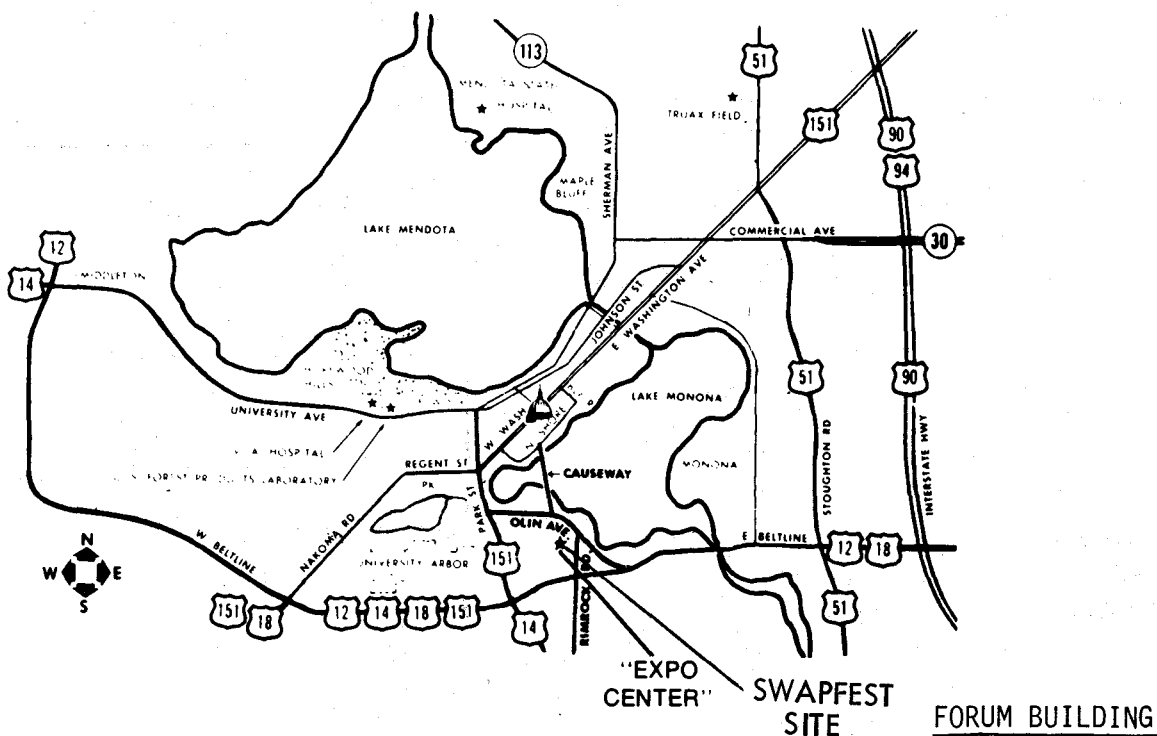
ADAMS	DOUGLAS	KEWAUNEE	OZAUKEE	TAYLOR
ASHLAND	DUNN	LA CROSSE	PEPIN	TREMPEALEAU
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COLUMBIA	IRON	MILWAUKEE	SAUK	WINNEBAGO
CRAWFORD	JACKSON	MONROE	SAWYER	WOOD
DANE	JEFFERSON	OCONTO	SHAWANO	
DODGE	JUNEAU	ONEIDA	SHEBOYGAN	
DOOR	KENOSHA	OUTAGAMIE	ST. CROIX	



## MADISON SWAPFEST LOCATION MAPS

**Easy To Find -**

NEXT DOOR TO DANE CO. COLISEUM - Approx. 10 miles west of Hwy. 12 & 18 and I-90 Interchange. Just follow "Coliseum" Signs to Dane Co. Expo Center located 1/2 mile north of Hwy. 12 & 18 Beltline at "MC" Exit on Madison's South Side. Talk in on 16-76.



12th  
Annual

# MADISON SWAPFEST

*Madison, Wis.*

Sponsored by Madison Area Repeater Association - WB9AER - Madison, Wis.

**DANE CO. EXPO CENTER FORUM BLDG.**

**Doors Open at 9 A.M. - Sun., April 8, 1984**

SELLERS AND EXHIBITORS ADMITTED AT 8:00 A.M.

ELECTRONIC EQUIPMENT & COMPONENTS FOR HAMS, COMPUTER HOBBYISTS & EXPERIMENTERS

**DEALERS and COMMERCIAL EXHIBITORS**

ALL YOU CAN EAT PANCAKE BREAKFAST

BEEF BAR - B - QUE LUNCHEON

ADMISSION PER PERSON - \$2.50 ADVANCE -- \$3.00 DOOR (Children 12 & Under Free)

TABLES - \$4.00 ADVANCE -- \$5.00 AT DOOR --- Reserve Early--Sell Out Last Year

WE URGE YOU TO CARPOOL AS THE  
COUNTY CHARGES A PARKING FEE!!!

For Information on Exhibitor Booths Contact MARA, Box 3403, Madison, WI 53704  
For Location of Hamfest - See Other Side

## ADVANCE RESERVATION COUPON

NAME \_\_\_\_\_ CALL \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLEASE SEND \_\_\_\_\_ TICKETS AT \$2.50 Per Person

PLEASE RESERVE \_\_\_\_\_ TABLES AT \$4.00 Each

TOTAL AMOUNT ENCLOSED \$ \_\_\_\_\_

If there are no more tables available do you still wish to  
purchase tickets YES ( ) NO ( )

A.C. Outlets available to Booth Exhibitors ONLY.

Make Checks Payable to MARA - Mail to MARA, Box 3403, Madison, WI 53704

Ticket and Table Reservations Confirmed by Return Mail

RESERVATIONS NOT ACCEPTED AFTER APRIL 3, 1984



# BADGER STATE SMOKE SIGNALS

## SUBSCRIPTION INFORMATION

Dear Fellow Radio Amateur:

Subscriptions to Badger State Smoke Signals are now available to one and all. The paper will carry current Amateur Radio news, news about YTARC, WNA, ARRL and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

Regular individual subscription rates:

1 year	-	\$6.00 (12 issues)
2 years	-	\$11.50 (24 issues)
3 years	-	\$17.00 (36 issues)

If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rate, a special reduced rate is available to clubs having 10 or more subscriptions per year at a rate of \$4.50 each.

Clubs wishing to participate in Badger State Smoke Signals with a column devoted to their club can receive a lower rate. Mailings must be made to the entire club membership and your club would receive a 15 percent additional complimentary mailings. (There are presently over 75 complimentary and exchange addresses on the mailing list in addition to the present subscribers.)

Less than 50 members	\$3.60 per year
Over 50 members	\$3.00 per year

Badger State Smoke Signals would be happy to serve your members as the official journal for your club.

-----rip here-----

Jim: Enclosed is my check/money order for \$ \_\_\_\_\_ . Please enter

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BADGER STATE SMOKE SIGNALS

Jim Romelfanger, K9ZZ, Editor  
(see page two for exchange address)

return address

Kenneth A. Ebnetter, K9EN  
822 Wauona Trail  
Portage, Wisconsin 53901

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Last summer I swore that I'd never complain  
If summer forgot to come ever again.  
I'm sure that I meant it -- But I didn't know  
How cold I would get when it's 20 below!  
-- Ruth Svec.

DATED MATERIAL -- PLEASE DON'T DELAY

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